

What is claimed is:

1. A decorative sheet for in-mold decorating injection molding, to be adhesively bonded to an injection-molded resin molding, said decorative sheet comprising:

a base sheet; and

a resin layer formed on a surface of the base sheet to be brought into contact with the injection-molded resin molding, and containing an acrylic-modified polyolefin resin.

2. The decorative sheet for in-mold decorating injection molding according to claim 1, wherein

the acrylic-modified polyolefin resin is a resin composed by grafting-copolymerizing at least an acrylic monomer and/or an acrylic prepolymer on principal chains of a polypropylene resin.

3. The decorative sheet for in-mold decorating injection molding according to claim 1, wherein

the resin layer containing an acrylic-modified polyolefin resin is a bonding layer capable of adhering to the injection-molded molding.

4. The decorative sheet for in-mold decorating injection molding according to claim 3, wherein

a decorative layer is sandwiched between the base sheet and the bonding layer.

5. The decorative sheet for in-mold decorating injection molding according to claim 3, wherein

a decorative layer is formed on a surface of the base sheet not coated with the bonding layer.

6. The decorative sheet for in-mold decorating injection molding according to claim 4 or 5, wherein

the decorative layer contains a binder resin, and at least either an acrylic resin contained or a polyvinyl chloride-acetate resin, or both the acrylic resin and the polyvinyl chloride-acetate in the binder resin.

7. The decorative sheet for in-mold decorating injection molding according to claim 4, wherein

a primer layer is sandwiched between the decorative layer and the bonding layer.

8. The decorative sheet for in-mold decorating injection molding according to claim 7, wherein

the primer layer contains either an acrylic resin or a polyvinyl chloride-acetate resin or both the acrylic resin and the polyvinyl chloride-acetate resin.

9. The decorative sheet for in-mold decorating injection molding according to claim 1, wherein

the layer containing the acrylic-modified polyolefin resin is a decorative layer containing the acrylic-modified polyolefin resin as a binder.

10. The decorative sheet for in-mold decorating injection molding according to claim 1, wherein

the base sheet is formed of an acrylic resin.

11. The decorative sheet for in-mold decorating injection molding according to claim 1, wherein

the base sheet is a laminated sheet having at least two layers.

12. A decorative molding comprising:

a decorative sheet for in-mold decorating injection molding including a base sheet, and a resin layer formed on a surface of the base sheet containing an acrylic-modified polyolefin resin; and

an injection-molded resin molding to which the resin layer containing an acrylic-modified polyolefin resin is bonded.

13. The decorative molding according to claim 12, wherein

the injection-molded resin molding is formed of a polyolefin resin.

14. An in-mold decorating injection molding method comprising the steps of:

preparing a decorative sheet for in-mold decorating injection molding including a base sheet and a resin layer formed on a surface of the base sheet to be brought into contact with an injection-molded resin molding and containing an acrylic-modified polyolefin resin;

inserting the decorative sheet in a space between a pair of molds in an open state;

clamping the pair of molds;

injecting an injection-molding resin into a cavity formed by the pair of molds so that the injection-molding resin comes into contact with the resin layer containing an acrylic-modified polyolefin resin;

solidifying the injection-molding resin injected into the cavity in an injection-molded resin molding and adhesively bonding the decorative sheet for in-mold decorating injection molding to a surface of the injection-molded resin molding to form a decorative molding formed of the decorative sheet for in-mold decorating injection molding and the injection-molded resin molding; and

parting the pair of molds and taking out the decorative molding from the pair of molds.

15. The in-mold decorating injection molding method according to claim 14, wherein

the injection-molding resin is a polyolefin resin.